

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-11. (Canceled)

12. (Currently Amended) A proppant coated with a resin composition produced by a method comprising:

providing a resin composition comprising:

from about 5% to about 30% phenol by weight of the overall resin composition;

from about 40% to about 70% phenol formaldehyde by weight of the overall resin composition;

from about 10% to about 40% furfuryl alcohol by weight of the overall resin composition;

from about 0.1% to about 3% of a silane coupling agent by weight of the overall resin composition; and,

from about 1% to about 15% of a surfactant by weight of the overall resin composition;

providing proppant particles;

coating the resin composition onto at least a portion of the proppant particles to create resin-coated proppant particles;

introducing the resin-coated proppant particles into a subterranean fracture; and

allowing the resin on the resin-coated proppant in the subterranean fracture to substantially cure.

~~wherein the resin composition comprises:~~

~~from about 5% to about 30% phenol by weight of the resin composition;~~

~~from about 40% to about 70% phenol formaldehyde by weight of the resin~~

~~the composition;~~

~~from about 10% to about 40% furfuryl alcohol by weight of the resin composition;~~

~~from about 0.1% to about 3% of a silane coupling agent by weight of the resin composition; and,~~

~~from about 1% to about 15% of a surfactant by weight of the resin composition.~~

13. (Previously Presented) The resin-coated proppant of claim 12 wherein the silane coupling agent is N-2-(aminoethyl)-3-aminopropyltrimethoxysilane, 3-glycidoxypropyltrimethoxysilane, n-beta- (aminoethyl)-gamma-aminopropyl trimethoxysilane, or a combination thereof.

14. (Previously Presented) The resin-coated proppant of claim 12 wherein the surfactant is ethoxylated nonyl phenol phosphate ester, a cationic surfactant, a non-ionic surfactant, an alkyl phosphonate surfactant, or a combination thereof.

15. (Original) The resin-coated proppant of claim 12 wherein the amount of resin coated onto the proppant is from about 0.1% to about 5% by weight of the proppant.

16. (Original) The resin-coated proppant of claim 12 wherein the resin further comprises a solvent.

17. (Previously Presented) The resin-coated proppant of claim 16 wherein the solvent is 2-butoxy ethanol, butylglycidyl ether, dipropylene glycol methyl ether, dipropylene glycol dimethyl ether, dimethyl sulfoxide, dimethyl formamide, diethyleneglycol methyl ether, diethylene glycol dimethyl ether, ethyleneglycol butyl ether, diethyleneglycol butyl ether, gamma-butyrolactone, butylene carbonate, propylene carbonate, ethylene carbonate, methanol, butyl alcohol, d-limonene, a fatty acid methyl ester, or a combination thereof.